

**From:** Danelski, Denise D - DNR on behalf of DNR RR NER  
**Sent:** Monday, September 14, 2015 4:25 PM  
**To:** DuFresne, Kristin I - DNR  
**Subject:** Release Notification  
**Attachments:** 4400-225 Haz Substance Discharge.pdf; 40119123\_frc.pdf; 40119909\_frc.pdf; 40120173\_frc.pdf; 40120662\_frc.pdf

Hi Kristin:

New release for your review. I'll be adding it to Pending Module.  
Thanks,

We are committed to service excellence.  
Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Denise D. Danelski  
Phone: (920) 662-5494  
[denise.danelski@wisconsin.gov](mailto:denise.danelski@wisconsin.gov)

-----Original Message-----

From: Chad [<mailto:cfradette@mach-iv.com>]  
Sent: Thursday, September 10, 2015 3:08 PM  
To: DNR RR NER  
Cc: [cfradette@mach-iv.com](mailto:cfradette@mach-iv.com)  
Subject: Release Notification

Release Notification

The attached file is the filled-out form. Please open it to review the data.

Chad M Fradette and Mach IV Engineering have been hired by the Responsible Party, Allin V Walker & Margaret Lockwood Revocable Trust, to conduct a site investigation and remedial action.

Due to lender requirements, the site investigation is in progress, with remedial excavation planned. A work plan outlining further work will be submitted.

The release is being attributed to use of the facility from the mid to late 1930s through 1968 as a dry cleaner. First confirmed use of the property as a dry cleaner was in 1938. The date was ascertained by review of city directories at the Doro County Library. Dry Cleaner operations ceased after the owner/proprietor, Ralph A Lenius, died in October 1968.

At this point, the waste will meet the "contained out" designation. Further soil samples were collected to define vertical extent and results will be received next week.

Chad M Fradette, EP, Chem  
Director of Environmental Services  
Mach IV Engineering  
211 N Broadway, Suite 114  
Green Bay, Wisconsin 54303

920-615-0019 Cell

920-569-5765 Office

920-569-5767 Fax

[cfradette@mach-iv.com](mailto:cfradette@mach-iv.com)

[www.mach-iv.com](http://www.mach-iv.com)

# Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (09/13) Page 1 of 2

**Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003**

**Notice: Hazardous substance discharges must be reported immediately** according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than \$10 nor more than \$5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from (**check one**):

- Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- Aboveground Petroleum Storage Tank System
- Dry Cleaner Facility
- Other - Describe: \_\_\_\_\_

ATTN DNR: **R & R Program Associate**

Date DNR Notified: 09/10/2015

### 1. Discharge Reported By

Name CHAD M FRADETTE	Firm MACH IV ENGINEERING	Phone No. (include area code) (920) 615-0019
Mailing Address 211 N BROADWAY, STE 114, GREEN BAY, WI 54303		Email Address CFRADETTE@MACH-IV.COM

### 2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property. STURGEON BAY LAUNDERERS AND CLEANERS (FORMER)

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60. 7 S. 2ND AVE

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.

CITY OF STURGEON BAY

County: Door	Legal Description: NE 1/4 NE 1/4 Sec 7 Tn 27 Range 26	WTM: X 538742 Y 745350
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### 3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Allin V Walker & Margaret Lockwood Revocable Trust

- Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats.
- For more information see <http://dnr.wi.gov/topic/Brownfields/Liability.html>.

Contact Person Name (if different) Allin Walker or Margaret Lockwood	Phone Number (920) 493-2912	Email Address woodwalk@dcwis.com	
Mailing Address 6746 County Hwy G	City Egg Harbor	State WI	ZIP Code 54209

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email Address	
Mailing Address	City	State	ZIP Code

(continued)

**4. Hazardous Substance Information**

Identify hazardous substance discharged (check all that apply):

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> VOC's        | <input type="checkbox"/> Diesel                 | <input type="checkbox"/> PERC (Dry Cleaners)                |
| <input type="checkbox"/> PAH's                   | <input type="checkbox"/> Fuel Oil               | <input type="checkbox"/> RCRA Hazardous Waste               |
| <input type="checkbox"/> Metals (specify): _____ | <input checked="" type="checkbox"/> Gasoline    | <input type="checkbox"/> Leachate                           |
| <input type="checkbox"/> Arsenic                 | <input type="checkbox"/> Hydraulic Oil          | <input type="checkbox"/> Fertilizer                         |
| <input type="checkbox"/> Chromium                | <input type="checkbox"/> Jet Fuel               | <input type="checkbox"/> Pesticide/Herbicide/Insecticide(s) |
| <input type="checkbox"/> Cyanide                 | <input type="checkbox"/> Mineral Oil            | <input type="checkbox"/> Other (specify): _____             |
| <input type="checkbox"/> Lead                    | <input type="checkbox"/> Waste Oil              | <input type="checkbox"/> Unknown                            |
| <input type="checkbox"/> PCB's                   | <input type="checkbox"/> Petroleum-Unknown Type |   |

**5. Impacts to the Environment Information**

Enter "K" for known/confirmed or "P" for potential for all that apply.

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Air Contamination                            | <input type="checkbox"/> Sanitary Sewer Contamination             | <input checked="" type="checkbox"/> Soil Contamination |
| <input type="checkbox"/> Co-Contamination (Petroleum & Non-Petroleum) | <input checked="" type="checkbox"/> Contamination in Right of Way | <input type="checkbox"/> Storm Sewer                   |
| <input type="checkbox"/> Contamination Within 1 Meter of Bedrock      | <input type="checkbox"/> Fire Explosion Threat                    | <input type="checkbox"/> Surface Water Contamination   |
| <input type="checkbox"/> Contaminated Private Well                    | <input type="checkbox"/> Free Product                             | <input type="checkbox"/> Within 100 ft of Private Well |
| <input type="checkbox"/> Contaminated Public Well                     | <input checked="" type="checkbox"/> Groundwater Contamination     | <input type="checkbox"/> Within 1000 ft of Public Well |
| <input type="checkbox"/> Contamination in Fractured Bedrock           | <input checked="" type="checkbox"/> Off-Site Contamination        |  |
|   | <input type="checkbox"/> Other (specify): _____                   |  |

Contamination was discovered as a result of:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Tank closure assessment | <input checked="" type="checkbox"/> Site assessment | <input type="checkbox"/> Other - Describe: _____ |
| Date: _____                                      | Date: 08/10/2015                                    | Date: _____                                      |

Lab results:  Lab results will be faxed upon receipt  Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

**6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))**

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

- |                                     | <b>Source</b>            | <b>Cause</b>   |
|-------------------------------------|--------------------------|--|
| <input type="checkbox"/>            | Tank                     | <input type="checkbox"/> Spill                             |
| <input type="checkbox"/>            | Piping                   | <input type="checkbox"/> Overfill                          |
| <input type="checkbox"/>            | Dispenser                | <input type="checkbox"/> Corrosion                         |
| <input type="checkbox"/>            | Submersible Turbine Pump | <input type="checkbox"/> Physical or Mechanical Damage     |
| <input type="checkbox"/>            | Delivery Problem         | <input type="checkbox"/> Installation Problem              |
| <input checked="" type="checkbox"/> | Other (specify): _____   | <input type="checkbox"/> Other (does not fit any of above) |
|                                     |                          | <input type="checkbox"/> Unknown                           |

Contact information to report non-emergency releases in DNR's five regions are as follows:

**Northeast Region (FAX: 920-662-5197); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov**

Brown, Calumet, Door, Fond du Lac (except City of Waupun - see South Central Region), Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

**Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov**

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

**South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov**

Columbia, Dane, Dodge, Fond du Lac (City of Waupun only), Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

**Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov**

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

**West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov**

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

August 10, 2015

Chad Fradette  
Mach IV Engineering & Surveying  
211 N. Broadway  
Suite 114  
Green Bay, WI 54303

RE: Project: 0969-01-15 7 S. 2ND AVE  
Pace Project No.: 40119123

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40119123001	GP-1, S-10	Solid	08/04/15 09:30	08/04/15 12:25
40119123002	GP-1	Water	08/04/15 09:45	08/04/15 12:25
40119123003	GP-2	Water	08/04/15 10:35	08/04/15 12:25
40119123004	GP-3, S-2	Solid	08/04/15 10:30	08/04/15 12:25
40119123005	GP-1, S-20	Solid	08/04/15 00:00	08/04/15 12:25

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40119123001	GP-1, S-10	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40119123002	GP-1	EPA 8260	LAP	64	PASI-G
40119123003	GP-2	EPA 8260	LAP	64	PASI-G
40119123004	GP-3, S-2	EPA 8260	HNW	64	PASI-G
40119123005	GP-1, S-20	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 0969-01-15 7 S. 2ND AVE  
Pace Project No.: 40119123

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**Method:** EPA 8260  
**Description:** 8260 MSV Med Level Normal List  
**Client:** Mach IV Engineering  
**Date:** August 10, 2015

### General Information:

3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/29680

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40119123001

R1: RPD value was outside control limits.

- MSD (Lab ID: 1202471)
  - 1,1,1-Trichloroethane
  - 1,2-Dichloroethane
  - 1,2-Dichloropropane
  - Bromodichloromethane
  - Carbon tetrachloride
  - Chlorobenzene
  - Chloromethane
  - Dibromochloromethane
  - Dichlorodifluoromethane

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

---

**Method:** EPA 8260

**Description:** 8260 MSV Med Level Normal List

**Client:** Mach IV Engineering

**Date:** August 10, 2015

QC Batch: MSV/29680

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40119123001

R1: RPD value was outside control limits.

- Ethylbenzene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Styrene
- Toluene
- Vinyl chloride
- cis-1,3-Dichloropropene
- o-Xylene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

### Additional Comments:

Analyte Comments:

QC Batch: MSV/29680

1q: Sample aliquot was taken from 4 oz poly dry weight container with head space and MeOH preserved in the laboratory.

- GP-1, S-10 (Lab ID: 40119123001)
  - Dibromofluoromethane (S)
- MS (Lab ID: 1202470)
  - Dibromofluoromethane (S)
- MSD (Lab ID: 1202471)
  - Dibromofluoromethane (S)

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

---

**Method:** EPA 8260

**Description:** 8260 MSV

**Client:** Mach IV Engineering

**Date:** August 10, 2015

### General Information:

2 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/29676

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1202427)
- Bromoform

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-1, S-10 Lab ID: 40119123001 Collected: 08/04/15 09:30 Received: 08/04/15 12:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-27-4	R1,W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/05/15 07:00	08/05/15 19:16	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	56-23-5	R1,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-90-7	R1,W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/05/15 07:00	08/05/15 19:16	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/05/15 07:00	08/05/15 19:16	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	74-87-3	R1,W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/05/15 07:00	08/05/15 19:16	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	124-48-1	R1,W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-71-8	R1,W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	107-06-2	R1,W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	156-60-5	R1,W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	78-87-5	R1,W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	10061-01-5	R1,W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	10061-02-6	R1,W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	100-41-4	R1,W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	98-82-8	R1,W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	1634-04-4	R1,W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/05/15 07:00	08/05/15 19:16	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	100-42-5	R1,W

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## ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

**Sample: GP-1, S-10**      **Lab ID: 40119123001**      Collected: 08/04/15 09:30      Received: 08/04/15 12:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-88-3	R1,W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/05/15 07:00	08/05/15 19:16	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	71-55-6	R1,W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-01-4	R1,W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/05/15 07:00	08/05/15 19:16	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	95-47-6	R1,W
<b>Surrogates</b>									
Dibromofluoromethane (S)	91	%	49-157		1	08/05/15 07:00	08/05/15 19:16	1868-53-7	1q
Toluene-d8 (S)	96	%	61-148		1	08/05/15 07:00	08/05/15 19:16	2037-26-5	
4-Bromofluorobenzene (S)	81	%	53-134		1	08/05/15 07:00	08/05/15 19:16	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture      **13.9**      %      0.10      0.10      1      08/04/15 16:22

**Sample: GP-1**      **Lab ID: 40119123002**      Collected: 08/04/15 09:45      Received: 08/04/15 12:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/05/15 16:19	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/05/15 16:19	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/05/15 16:19	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/05/15 16:19	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/05/15 16:19	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/05/15 16:19	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	74-87-3	

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### ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

**Sample: GP-1**      **Lab ID: 40119123002**      Collected: 08/04/15 09:45      Received: 08/04/15 12:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/05/15 16:19	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/05/15 16:19	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/05/15 16:19	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/05/15 16:19	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/05/15 16:19	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/05/15 16:19	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/05/15 16:19	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/05/15 16:19	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/05/15 16:19	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/05/15 16:19	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/05/15 16:19	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/05/15 16:19	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/05/15 16:19	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/05/15 16:19	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/05/15 16:19	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/05/15 16:19	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/05/15 16:19	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/05/15 16:19	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/05/15 16:19	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/05/15 16:19	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/05/15 16:19	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/05/15 16:19	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/05/15 16:19	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/05/15 16:19	179601-23-1	

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### ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

**Sample: GP-1**      **Lab ID: 40119123002**      Collected: 08/04/15 09:45      Received: 08/04/15 12:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/05/15 16:19	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		08/05/15 16:19	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/05/15 16:19	2037-26-5	

**Sample: GP-2**      **Lab ID: 40119123003**      Collected: 08/04/15 10:35      Received: 08/04/15 12:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/05/15 16:41	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/05/15 16:41	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/05/15 16:41	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/05/15 16:41	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/05/15 16:41	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/05/15 16:41	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/05/15 16:41	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/05/15 16:41	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/05/15 16:41	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/05/15 16:41	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/05/15 16:41	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/05/15 16:41	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/05/15 16:41	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/05/15 16:41	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/05/15 16:41	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/05/15 16:41	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/05/15 16:41	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/05/15 16:41	563-58-6	

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### ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

**Sample: GP-2**      **Lab ID: 40119123003**      Collected: 08/04/15 10:35      Received: 08/04/15 12:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/05/15 16:41	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/05/15 16:41	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/05/15 16:41	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/05/15 16:41	75-09-2	
Methyl-tert-butyl ether	0.28J	ug/L	1.0	0.17	1		08/05/15 16:41	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/05/15 16:41	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/05/15 16:41	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/05/15 16:41	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/05/15 16:41	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/05/15 16:41	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/05/15 16:41	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/05/15 16:41	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/05/15 16:41	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		08/05/15 16:41	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/05/15 16:41	2037-26-5	

**Sample: GP-3, S-2**      **Lab ID: 40119123004**      Collected: 08/04/15 10:30      Received: 08/04/15 12:25      Matrix: Solid

**Results reported on a "wet-weight" basis**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-25-2	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-3, S-2 Lab ID: 40119123004 Collected: 08/04/15 10:30 Received: 08/04/15 12:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Bromomethane	<69.9	ug/kg	250	69.9	1	08/05/15 07:00	08/05/15 12:51	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/05/15 07:00	08/05/15 12:51	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/05/15 07:00	08/05/15 12:51	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/05/15 07:00	08/05/15 12:51	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	1634-04-4	W
Naphthalene	77.1J	ug/kg	250	40.0	1	08/05/15 07:00	08/05/15 12:51	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	79-34-5	W
Tetrachloroethene	297	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	127-18-4	
Toluene	55.6J	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	87-61-6	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

**Sample: GP-3, S-2**      **Lab ID: 40119123004**      Collected: 08/04/15 10:30      Received: 08/04/15 12:25      Matrix: Solid

*Results reported on a "wet-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/05/15 07:00	08/05/15 12:51	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	96-18-4	W
1,2,4-Trimethylbenzene	37.6J	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-01-4	W
m&p-Xylene	74.9J	ug/kg	120	50.0	1	08/05/15 07:00	08/05/15 12:51	179601-23-1	
o-Xylene	49.5J	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	49-157		1	08/05/15 07:00	08/05/15 12:51	1868-53-7	
Toluene-d8 (S)	112	%	61-148		1	08/05/15 07:00	08/05/15 12:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	53-134		1	08/05/15 07:00	08/05/15 12:51	460-00-4	

**Sample: GP-1, S-20**      **Lab ID: 40119123005**      Collected: 08/04/15 00:00      Received: 08/04/15 12:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/05/15 07:00	08/05/15 13:14	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/05/15 07:00	08/05/15 13:14	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/05/15 07:00	08/05/15 13:14	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/05/15 07:00	08/05/15 13:14	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	541-73-1	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE  
Pace Project No.: 40119123

**Sample: GP-1, S-20**      **Lab ID: 40119123005**      Collected: 08/04/15 00:00      Received: 08/04/15 12:25      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/05/15 07:00	08/05/15 13:14	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/05/15 07:00	08/05/15 13:14	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/05/15 07:00	08/05/15 13:14	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	99	%	49-157		1	08/05/15 07:00	08/05/15 13:14	1868-53-7	
Toluene-d8 (S)	102	%	61-148		1	08/05/15 07:00	08/05/15 13:14	2037-26-5	
4-Bromofluorobenzene (S)	88	%	53-134		1	08/05/15 07:00	08/05/15 13:14	460-00-4	

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### ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

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**Sample: GP-1, S-20**      **Lab ID: 40119123005**    Collected: 08/04/15 00:00    Received: 08/04/15 12:25    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	<b>2.9</b>	%	0.10	0.10	1		08/04/15 16:22		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

QC Batch:	MSV/29680	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
Associated Lab Samples:	40119123001, 40119123004, 40119123005		

METHOD BLANK: 1202467 Matrix: Solid

Associated Lab Samples: 40119123001, 40119123004, 40119123005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/05/15 09:25	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/05/15 09:25	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/05/15 09:25	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/05/15 09:25	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/05/15 09:25	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/05/15 09:25	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/05/15 09:25	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/05/15 09:25	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/05/15 09:25	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/05/15 09:25	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/05/15 09:25	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/05/15 09:25	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/05/15 09:25	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/05/15 09:25	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/05/15 09:25	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/05/15 09:25	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/05/15 09:25	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/05/15 09:25	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/05/15 09:25	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/05/15 09:25	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/05/15 09:25	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/05/15 09:25	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/05/15 09:25	
Benzene	ug/kg	<9.2	20.0	08/05/15 09:25	
Bromobenzene	ug/kg	<20.6	50.0	08/05/15 09:25	
Bromochloromethane	ug/kg	<21.4	50.0	08/05/15 09:25	
Bromodichloromethane	ug/kg	<9.8	50.0	08/05/15 09:25	
Bromoform	ug/kg	<19.8	50.0	08/05/15 09:25	
Bromomethane	ug/kg	<69.9	250	08/05/15 09:25	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/05/15 09:25	
Chlorobenzene	ug/kg	<14.8	50.0	08/05/15 09:25	
Chloroethane	ug/kg	<67.0	250	08/05/15 09:25	
Chloroform	ug/kg	<46.4	250	08/05/15 09:25	
Chloromethane	ug/kg	<20.4	50.0	08/05/15 09:25	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/05/15 09:25	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/05/15 09:25	
Dibromochloromethane	ug/kg	<17.9	50.0	08/05/15 09:25	
Dibromomethane	ug/kg	<19.3	50.0	08/05/15 09:25	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/05/15 09:25	
Diisopropyl ether	ug/kg	<17.7	50.0	08/05/15 09:25	
Ethylbenzene	ug/kg	<12.4	50.0	08/05/15 09:25	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

METHOD BLANK: 1202467

Matrix: Solid

Associated Lab Samples: 40119123001, 40119123004, 40119123005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	40.9J	50.0	08/05/15 09:25	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/05/15 09:25	
m&p-Xylene	ug/kg	<34.4	100	08/05/15 09:25	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/05/15 09:25	
Methylene Chloride	ug/kg	<16.2	50.0	08/05/15 09:25	
n-Butylbenzene	ug/kg	21.5J	50.0	08/05/15 09:25	
n-Propylbenzene	ug/kg	<11.6	50.0	08/05/15 09:25	
Naphthalene	ug/kg	<40.0	250	08/05/15 09:25	
o-Xylene	ug/kg	<14.0	50.0	08/05/15 09:25	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/05/15 09:25	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/05/15 09:25	
Styrene	ug/kg	<9.0	50.0	08/05/15 09:25	
tert-Butylbenzene	ug/kg	13.5J	50.0	08/05/15 09:25	
Tetrachloroethene	ug/kg	<12.9	50.0	08/05/15 09:25	
Toluene	ug/kg	<11.2	50.0	08/05/15 09:25	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/05/15 09:25	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/05/15 09:25	
Trichloroethene	ug/kg	<23.6	50.0	08/05/15 09:25	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/05/15 09:25	
Vinyl chloride	ug/kg	<21.1	50.0	08/05/15 09:25	
4-Bromofluorobenzene (S)	%	98	53-134	08/05/15 09:25	
Dibromofluoromethane (S)	%	110	49-157	08/05/15 09:25	
Toluene-d8 (S)	%	113	61-148	08/05/15 09:25	

LABORATORY CONTROL SAMPLE & LCSD: 1202468

1202469

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2490	2350	99	94	70-130	6	20	
1,1,1,2-Tetrachloroethane	ug/kg	2500	2390	2380	95	95	70-130	0	20	
1,1,2-Trichloroethane	ug/kg	2500	2600	2660	104	106	70-130	2	20	
1,1-Dichloroethane	ug/kg	2500	2520	2430	101	97	70-130	4	20	
1,1-Dichloroethene	ug/kg	2500	2400	2380	96	95	70-132	1	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2410	2630	96	105	70-130	9	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1970	2070	79	83	45-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2840	2860	113	114	70-130	1	20	
1,2-Dichlorobenzene	ug/kg	2500	2580	2650	103	106	70-130	3	20	
1,2-Dichloroethane	ug/kg	2500	2710	2580	109	103	70-134	5	20	
1,2-Dichloropropane	ug/kg	2500	2770	2740	111	110	70-130	1	20	
1,3-Dichlorobenzene	ug/kg	2500	2460	2470	99	99	70-130	0	20	
1,4-Dichlorobenzene	ug/kg	2500	2590	2630	103	105	70-130	2	20	
Benzene	ug/kg	2500	2540	2460	102	98	70-130	3	20	
Bromodichloromethane	ug/kg	2500	2620	2630	105	105	70-130	0	20	
Bromoform	ug/kg	2500	2680	2910	107	116	48-130	8	20	
Bromomethane	ug/kg	2500	2190	2400	88	96	70-169	9	20	

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### QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

LABORATORY CONTROL SAMPLE & LCSD:		1202468		1202469							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Carbon tetrachloride	ug/kg	2500	2440	2290	98	91	67-130	7	20		
Chlorobenzene	ug/kg	2500	2680	2690	107	107	70-130	0	20		
Chloroethane	ug/kg	2500	2530	2310	101	92	70-191	9	20		
Chloroform	ug/kg	2500	2480	2430	99	97	70-130	2	20		
Chloromethane	ug/kg	2500	2520	2480	101	99	52-132	2	20		
cis-1,2-Dichloroethene	ug/kg	2500	2370	2390	95	96	70-130	1	20		
cis-1,3-Dichloropropene	ug/kg	2500	2660	2590	106	103	70-130	3	20		
Dibromochloromethane	ug/kg	2500	2660	2770	106	111	65-130	4	20		
Dichlorodifluoromethane	ug/kg	2500	2120	1910	85	76	12-150	10	20		
Ethylbenzene	ug/kg	2500	2630	2580	105	103	70-130	2	20		
Isopropylbenzene (Cumene)	ug/kg	2500	2610	2550	104	102	70-130	2	20		
m&p-Xylene	ug/kg	5000	5380	5200	108	104	70-130	3	20		
Methyl-tert-butyl ether	ug/kg	2500	2530	2440	101	98	70-130	3	20		
Methylene Chloride	ug/kg	2500	2480	2360	99	95	70-131	5	20		
o-Xylene	ug/kg	2500	2550	2510	102	101	70-130	2	20		
Styrene	ug/kg	2500	2590	2600	103	104	70-130	0	20		
Tetrachloroethene	ug/kg	2500	2930	3040	117	122	70-130	4	20		
Toluene	ug/kg	2500	2630	2670	105	107	70-130	1	20		
trans-1,2-Dichloroethene	ug/kg	2500	2410	2370	96	95	69-130	2	20		
trans-1,3-Dichloropropene	ug/kg	2500	2620	2640	105	105	65-130	0	20		
Trichloroethene	ug/kg	2500	2510	2510	101	100	70-130	0	20		
Trichlorofluoromethane	ug/kg	2500	2550	2240	102	90	50-150	13	20		
Vinyl chloride	ug/kg	2500	2460	2290	98	92	67-134	7	20		
4-Bromofluorobenzene (S)	%				99	96	53-134				
Dibromofluoromethane (S)	%				112	103	49-157				
Toluene-d8 (S)	%				109	109	61-148				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1202470		1202471								
Parameter	Units	40119123001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result										
1,1,1-Trichloroethane	ug/kg	<25.0	2900	2900	2560	2070	88	71	63-130	21	20	R1
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	2900	2900	2340	2020	81	70	57-136	15	20	
1,1,2-Trichloroethane	ug/kg	<25.0	2900	2900	2720	2230	94	77	70-130	20	20	
1,1-Dichloroethane	ug/kg	<25.0	2900	2900	2560	2110	88	73	62-131	19	23	
1,1-Dichloroethene	ug/kg	<25.0	2900	2900	2290	1890	79	65	42-137	19	20	
1,2,4-Trichlorobenzene	ug/kg	<47.6	2900	2900	2670	2440	92	84	59-137	9	21	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	2900	2900	2030	1670	70	57	33-150	20	25	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	2900	2900	2830	2410	97	83	70-130	16	20	
1,2-Dichlorobenzene	ug/kg	<25.0	2900	2900	2750	2320	95	80	70-130	17	20	
1,2-Dichloroethane	ug/kg	<25.0	2900	2900	2730	2210	94	76	68-134	21	20	R1
1,2-Dichloropropane	ug/kg	<25.0	2900	2900	2860	2290	98	79	70-130	22	20	R1
1,3-Dichlorobenzene	ug/kg	<25.0	2900	2900	2600	2160	89	75	70-130	18	20	
1,4-Dichlorobenzene	ug/kg	<25.0	2900	2900	2760	2360	95	81	69-130	15	20	

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### QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1202470		1202471		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40119123001 Result	MS Spike Conc.	MSD Spike Conc.									
Benzene	ug/kg	<25.0	2900	2900	2540	2150	87	74	56-131	17	20		
Bromodichloromethane	ug/kg	<25.0	2900	2900	2700	2190	93	75	64-130	21	20	R1	
Bromoform	ug/kg	<25.0	2900	2900	2750	2330	95	80	48-130	17	20		
Bromomethane	ug/kg	<69.9	2900	2900	2470	1980	85	68	18-169	22	23		
Carbon tetrachloride	ug/kg	<25.0	2900	2900	2490	1980	86	68	59-130	23	20	R1	
Chlorobenzene	ug/kg	<25.0	2900	2900	2790	2260	96	78	70-130	21	20	R1	
Chloroethane	ug/kg	<67.0	2900	2900	2340	2000	80	69	10-191	16	20		
Chloroform	ug/kg	<46.4	2900	2900	2520	2120	87	73	65-130	17	20		
Chloromethane	ug/kg	<25.0	2900	2900	2470	1960	85	67	36-132	23	20	R1	
cis-1,2-Dichloroethene	ug/kg	<25.0	2900	2900	2400	2050	83	71	59-136	16	24		
cis-1,3-Dichloropropene	ug/kg	<25.0	2900	2900	2670	2170	92	75	60-130	21	20	R1	
Dibromochloromethane	ug/kg	<25.0	2900	2900	2820	2270	97	78	59-130	22	20	R1	
Dichlorodifluoromethane	ug/kg	<25.0	2900	2900	1750	1320	60	45	10-150	28	27	R1	
Ethylbenzene	ug/kg	<25.0	2900	2900	2720	2180	94	75	64-130	22	20	R1	
Isopropylbenzene (Cumene)	ug/kg	<25.0	2900	2900	2770	2160	95	74	69-138	25	20	R1	
m&p-Xylene	ug/kg	<50.0	5810	5810	5510	4550	95	78	61-130	19	20		
Methyl-tert-butyl ether	ug/kg	<25.0	2900	2900	2480	2010	85	69	52-134	21	20	R1	
Methylene Chloride	ug/kg	<25.0	2900	2900	2470	2030	85	70	61-131	20	20		
o-Xylene	ug/kg	<25.0	2900	2900	2660	2120	92	73	63-130	22	20	R1	
Styrene	ug/kg	<25.0	2900	2900	2730	2170	94	75	70-130	23	20	R1	
Tetrachloroethene	ug/kg	<25.0	2900	2900	3170	2620	109	90	65-130	19	20		
Toluene	ug/kg	<25.0	2900	2900	2810	2270	97	78	65-130	21	20	R1	
trans-1,2-Dichloroethene	ug/kg	<25.0	2900	2900	2410	1930	83	66	55-130	22	20	R1	
trans-1,3-Dichloropropene	ug/kg	<25.0	2900	2900	2680	2160	92	74	54-130	22	20	R1	
Trichloroethene	ug/kg	<25.0	2900	2900	2630	2230	91	77	70-130	17	20		
Trichlorofluoromethane	ug/kg	<25.0	2900	2900	2430	1950	84	67	42-150	22	24		
Vinyl chloride	ug/kg	<25.0	2900	2900	2360	1850	81	64	35-134	24	20	R1	
4-Bromofluorobenzene (S)	%						86	85	53-134				
Dibromofluoromethane (S)	%						96	99	49-157				1q
Toluene-d8 (S)	%						100	99	61-148				

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### QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

QC Batch:	MSV/29676	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40119123002, 40119123003		

METHOD BLANK: 1202426 Matrix: Water

Associated Lab Samples: 40119123002, 40119123003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/05/15 07:34	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/05/15 07:34	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/05/15 07:34	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/05/15 07:34	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/05/15 07:34	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/05/15 07:34	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/05/15 07:34	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/05/15 07:34	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/05/15 07:34	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/05/15 07:34	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/05/15 07:34	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/05/15 07:34	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/05/15 07:34	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/05/15 07:34	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/05/15 07:34	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/05/15 07:34	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/05/15 07:34	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/05/15 07:34	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/05/15 07:34	
2-Chlorotoluene	ug/L	<0.50	1.0	08/05/15 07:34	
4-Chlorotoluene	ug/L	<0.21	1.0	08/05/15 07:34	
Benzene	ug/L	<0.50	1.0	08/05/15 07:34	
Bromobenzene	ug/L	<0.23	1.0	08/05/15 07:34	
Bromochloromethane	ug/L	<0.34	1.0	08/05/15 07:34	
Bromodichloromethane	ug/L	<0.50	1.0	08/05/15 07:34	
Bromoform	ug/L	<0.50	1.0	08/05/15 07:34	
Bromomethane	ug/L	<2.4	5.0	08/05/15 07:34	
Carbon tetrachloride	ug/L	<0.50	1.0	08/05/15 07:34	
Chlorobenzene	ug/L	<0.50	1.0	08/05/15 07:34	
Chloroethane	ug/L	<0.37	1.0	08/05/15 07:34	
Chloroform	ug/L	<2.5	5.0	08/05/15 07:34	
Chloromethane	ug/L	<0.50	1.0	08/05/15 07:34	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/05/15 07:34	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/05/15 07:34	
Dibromochloromethane	ug/L	<0.50	1.0	08/05/15 07:34	
Dibromomethane	ug/L	<0.43	1.0	08/05/15 07:34	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/05/15 07:34	
Diisopropyl ether	ug/L	<0.50	1.0	08/05/15 07:34	
Ethylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	

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### QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

METHOD BLANK: 1202426

Matrix: Water

Associated Lab Samples: 40119123002, 40119123003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/05/15 07:34	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/05/15 07:34	
m&p-Xylene	ug/L	<1.0	2.0	08/05/15 07:34	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/05/15 07:34	
Methylene Chloride	ug/L	<0.23	1.0	08/05/15 07:34	
n-Butylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	
n-Propylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	
Naphthalene	ug/L	<2.5	5.0	08/05/15 07:34	
o-Xylene	ug/L	<0.50	1.0	08/05/15 07:34	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/05/15 07:34	
sec-Butylbenzene	ug/L	<2.2	5.0	08/05/15 07:34	
Styrene	ug/L	<0.50	1.0	08/05/15 07:34	
tert-Butylbenzene	ug/L	<0.18	1.0	08/05/15 07:34	
Tetrachloroethene	ug/L	<0.50	1.0	08/05/15 07:34	
Toluene	ug/L	<0.50	1.0	08/05/15 07:34	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	08/05/15 07:34	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/05/15 07:34	
Trichloroethene	ug/L	<0.33	1.0	08/05/15 07:34	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/05/15 07:34	
Vinyl chloride	ug/L	<0.18	1.0	08/05/15 07:34	
4-Bromofluorobenzene (S)	%	98	70-130	08/05/15 07:34	
Dibromofluoromethane (S)	%	95	70-130	08/05/15 07:34	
Toluene-d8 (S)	%	101	70-130	08/05/15 07:34	

LABORATORY CONTROL SAMPLE & LCSD: 1202427

1202428

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.1	16.5	86	83	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	20	20.5	20.6	103	103	70-130	1	20	
1,1,2-Trichloroethane	ug/L	20	21.4	20.5	107	103	70-130	4	20	
1,1-Dichloroethane	ug/L	20	21.4	21.0	107	105	70-130	2	20	
1,1-Dichloroethene	ug/L	20	20.5	19.8	102	99	70-130	3	20	
1,2,4-Trichlorobenzene	ug/L	20	19.6	19.6	98	98	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	20	12.3	13.9	62	69	50-150	12	20	
1,2-Dibromoethane (EDB)	ug/L	20	20.4	20.1	102	100	70-130	1	20	
1,2-Dichlorobenzene	ug/L	20	20.3	20.8	102	104	70-130	2	20	
1,2-Dichloroethane	ug/L	20	21.9	21.6	110	108	70-131	2	20	
1,2-Dichloropropane	ug/L	20	20.7	20.5	103	103	70-130	1	20	
1,3-Dichlorobenzene	ug/L	20	20.1	20.6	100	103	70-130	3	20	
1,4-Dichlorobenzene	ug/L	20	20.4	20.5	102	102	70-130	1	20	
Benzene	ug/L	20	19.9	19.7	99	99	70-130	1	20	
Bromodichloromethane	ug/L	20	16.5	17.1	83	86	70-130	3	20	
Bromoform	ug/L	20	13.3	13.9	67	69	68-130	4	20	LO
Bromomethane	ug/L	20	14.3	14.4	72	72	38-137	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Parameter	Units	LABORATORY CONTROL SAMPLE & LCSD: 1202427		1202428			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Carbon tetrachloride	ug/L	20	15.6	15.9	78	79	70-130	2	20	
Chlorobenzene	ug/L	20	20.5	20.5	103	102	70-130	0	20	
Chloroethane	ug/L	20	20.3	20.5	101	103	70-136	1	20	
Chloroform	ug/L	20	20.2	19.9	101	100	70-130	1	20	
Chloromethane	ug/L	20	17.5	16.9	88	84	48-144	4	20	
cis-1,2-Dichloroethene	ug/L	20	19.9	20.0	99	100	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	20	15.8	16.3	79	82	70-130	3	20	
Dibromochloromethane	ug/L	20	16.1	16.5	81	82	70-130	2	20	
Dichlorodifluoromethane	ug/L	20	13.7	13.4	68	67	33-157	2	20	
Ethylbenzene	ug/L	20	20.8	20.5	104	103	70-132	1	20	
Isopropylbenzene (Cumene)	ug/L	20	20.2	20.1	101	100	70-130	1	20	
m&p-Xylene	ug/L	40	41.4	41.0	103	103	70-131	1	20	
Methyl-tert-butyl ether	ug/L	20	20.3	20.3	102	102	48-141	0	20	
Methylene Chloride	ug/L	20	22.0	22.1	110	110	70-130	0	20	
o-Xylene	ug/L	20	20.3	19.6	101	98	70-131	3	20	
Styrene	ug/L	20	20.8	20.5	104	102	70-130	2	20	
Tetrachloroethene	ug/L	20	20.7	21.5	104	107	70-130	4	20	
Toluene	ug/L	20	21.2	20.3	106	101	70-130	4	20	
trans-1,2-Dichloroethene	ug/L	20	20.6	20.3	103	102	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	20	14.1	14.3	71	72	70-130	1	20	
Trichloroethene	ug/L	20	20.2	20.0	101	100	70-130	1	20	
Trichlorofluoromethane	ug/L	20	21.0	20.5	105	102	50-150	3	20	
Vinyl chloride	ug/L	20	18.3	17.6	92	88	65-142	4	20	
4-Bromofluorobenzene (S)	%				101	100	70-130			
Dibromofluoromethane (S)	%				99	98	70-130			
Toluene-d8 (S)	%				101	97	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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### QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

---

QC Batch:	PMST/11582	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40119123001, 40119123005		

---

SAMPLE DUPLICATE: 1202394

Parameter	Units	60199062001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.3	5.2	1	10	

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### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

1q Sample aliquot was taken from 4 oz poly dry weight container with head space and MeOH preserved in the laboratory.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

R1 RPD value was outside control limits.

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40119123001	GP-1, S-10	EPA 5035/5030B	MSV/29680	EPA 8260	MSV/29682
40119123004	GP-3, S-2	EPA 5035/5030B	MSV/29680	EPA 8260	MSV/29682
40119123005	GP-1, S-20	EPA 5035/5030B	MSV/29680	EPA 8260	MSV/29682
40119123002	GP-1	EPA 8260	MSV/29676		
40119123003	GP-2	EPA 8260	MSV/29676		
40119123001	GP-1, S-10	ASTM D2974-87	PMST/11582		
40119123005	GP-1, S-20	ASTM D2974-87	PMST/11582		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Madell Engineering  
 Branch/Location: Madell Fradette  
 Project Contact: Madell Fradette  
 Phone: 920 615 0019  
 Project Number: 0909-01-15  
 Project Name: 7 S. 2nd Ave  
 Project State: WI  
 Sampled By (Print): Madell Fradette  
 Sampled By (Sign): [Signature]  
 PO #: \_\_\_\_\_  
 Regulatory Program: \_\_\_\_\_



### CHAIN OF CUSTODY

Preservation Codes  
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	V / N	Pick Letter	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Regulatory Program:	Relinquished By:		Received By:		
											DATE	TIME	DATE/Time	DATE/Time	
001	GP-1,S-10	8/15	0930	S	VOCs		F/B				[Signature]	8/14/15	1225	[Signature]	8-14-15
003	GP-1		0945	GW							[Signature]				
003	GP-2		1035	GW							[Signature]				
004	GP-3,S-2										[Signature]				
005	GP-1,S-20		1030	S							[Signature]				

Quote #: \_\_\_\_\_  
 Mail To Contact: \_\_\_\_\_  
 Mail To Company: Madell Engineering  
 Mail To Address: 211 N Broadway  
6B, 101  
 Invoice To Contact: \_\_\_\_\_  
 Invoice To Company: \_\_\_\_\_  
 Invoice To Address: \_\_\_\_\_  
 Invoice To Phone: \_\_\_\_\_  
 CLIENT COMMENTS: \_\_\_\_\_  
 LAB COMMENTS (Lab Use Only):  
 1-402p A  
 3-40ml B  
 1-40ml C  
 1-40ml F 1-402p A  
 PACE Project No. 40119123  
 Receipt Temp = R21 °C  
 Sample Receipt pH \_\_\_\_\_  
 Cooler Custody Seal \_\_\_\_\_  
 Present / Not Present \_\_\_\_\_  
 Intact / Not Intact \_\_\_\_\_

\*Lab added 005 to chain

Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302

**Pace Analytical**

Project #:

**WO#: 40119123**

Client Name: Mach IV Engineering

Courier:  Fed Ex  UPS  Client  Pace Other: \_\_\_\_\_

Tracking #: \_\_\_\_\_



Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used N/A Type of Ice:  Wet  Blue Dry None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr: \_\_\_\_\_ Biological Tissue is Frozen:  yes  no

Temp Blank Present:  yes  no  no

Person examining contents:  
Date: 8/4/15  
Initials: TL

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>8/7/15</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>8/4/15</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>no collect date or time on samples</u>
-Includes date/time/ID/Analysis Matrix: <u>(S, W)</u>		<u>8/4/15</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <u>(VOA)</u> coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_ If checked, see attached form for additional comments

Comments/ Resolution: \_\_\_\_\_

\*lab added ORS to COC

8/4/15  
TL

Project Manager Review: \_\_\_\_\_

Date: 8-4-15

August 24, 2015

Chad Fradette  
Mach IV Engineering & Surveying  
211 N. Broadway  
Suite 114  
Green Bay, WI 54303

RE: Project: 0969-01-15 LOCKWOOD GALLERY  
Pace Project No.: 40119909

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on August 20, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40119909001	GP-4, 5-1	Solid	08/20/15 09:30	08/20/15 13:13
40119909002	GP-5, 5-1	Solid	08/20/15 09:30	08/20/15 13:13
40119909003	GP-6, 5-1	Solid	08/20/15 09:30	08/20/15 13:13
40119909004	GP-7, 5-1	Solid	08/20/15 09:30	08/20/15 13:13

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40119909001	GP-4, 5-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40119909002	GP-5, 5-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40119909003	GP-6, 5-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40119909004	GP-7, 5-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

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**Method:** EPA 8260

**Description:** 8260 MSV Med Level Normal List

**Client:** Mach IV Engineering

**Date:** August 24, 2015

**General Information:**

4 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/29880

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Sample: GP-4, 5-1 Lab ID: 40119909001 Collected: 08/20/15 09:30 Received: 08/20/15 13:13 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/21/15 07:00	08/21/15 13:22	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/21/15 07:00	08/21/15 13:22	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/21/15 07:00	08/21/15 13:22	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/21/15 07:00	08/21/15 13:22	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/21/15 07:00	08/21/15 13:22	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	100-42-5	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

**Sample: GP-4, 5-1**      **Lab ID: 40119909001**      Collected: 08/20/15 09:30      Received: 08/20/15 13:13      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/21/15 07:00	08/21/15 13:22	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/21/15 07:00	08/21/15 13:22	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	140	%	49-157		1	08/21/15 07:00	08/21/15 13:22	1868-53-7	
Toluene-d8 (S)	142	%	61-148		1	08/21/15 07:00	08/21/15 13:22	2037-26-5	
4-Bromofluorobenzene (S)	127	%	53-134		1	08/21/15 07:00	08/21/15 13:22	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture      **1.8**      %      0.10      0.10      1      08/20/15 15:49

**Sample: GP-5, 5-1**      **Lab ID: 40119909002**      Collected: 08/20/15 09:30      Received: 08/20/15 13:13      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/21/15 07:00	08/21/15 13:45	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/21/15 07:00	08/21/15 13:45	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/21/15 07:00	08/21/15 13:45	67-66-3	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Sample: GP-5, 5-1 Lab ID: 40119909002 Collected: 08/20/15 09:30 Received: 08/20/15 13:13 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/21/15 07:00	08/21/15 13:45	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/21/15 07:00	08/21/15 13:45	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	79-34-5	W
Tetrachloroethene	54.7J	ug/kg	78.7	32.8	1	08/21/15 07:00	08/21/15 13:45	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/21/15 07:00	08/21/15 13:45	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-67-8	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

**Sample: GP-5, 5-1**      **Lab ID: 40119909002**      Collected: 08/20/15 09:30      Received: 08/20/15 13:13      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/21/15 07:00	08/21/15 13:45	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	92	%	49-157		1	08/21/15 07:00	08/21/15 13:45	1868-53-7	
Toluene-d8 (S)	89	%	61-148		1	08/21/15 07:00	08/21/15 13:45	2037-26-5	
4-Bromofluorobenzene (S)	78	%	53-134		1	08/21/15 07:00	08/21/15 13:45	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	23.7	%	0.10	0.10	1		08/20/15 15:50		

**Sample: GP-6, 5-1**      **Lab ID: 40119909003**      Collected: 08/20/15 09:30      Received: 08/20/15 13:13      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/21/15 07:00	08/21/15 14:08	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/21/15 07:00	08/21/15 14:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/21/15 07:00	08/21/15 14:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/21/15 07:00	08/21/15 14:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	107-06-2	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

**Sample: GP-6, 5-1**      **Lab ID: 40119909003**      Collected: 08/20/15 09:30      Received: 08/20/15 13:13      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/21/15 07:00	08/21/15 14:08	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	79-34-5	W
Tetrachloroethene	49.6J	ug/kg	70.7	29.5	1	08/21/15 07:00	08/21/15 14:08	127-18-4	
Toluene	37.7J	ug/kg	70.7	29.5	1	08/21/15 07:00	08/21/15 14:08	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/21/15 07:00	08/21/15 14:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/21/15 07:00	08/21/15 14:08	179601-23-1	W
o-Xylene	30.3J	ug/kg	70.7	29.5	1	08/21/15 07:00	08/21/15 14:08	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	96	%	49-157		1	08/21/15 07:00	08/21/15 14:08	1868-53-7	
Toluene-d8 (S)	94	%	61-148		1	08/21/15 07:00	08/21/15 14:08	2037-26-5	
4-Bromofluorobenzene (S)	83	%	53-134		1	08/21/15 07:00	08/21/15 14:08	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	15.1	%	0.10	0.10	1		08/20/15 15:50		
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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY  
Pace Project No.: 40119909

**Sample: GP-7, 5-1**      **Lab ID: 40119909004**      Collected: 08/20/15 09:30      Received: 08/20/15 13:13      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/21/15 07:00	08/21/15 14:31	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/21/15 07:00	08/21/15 14:31	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/21/15 07:00	08/21/15 14:31	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/21/15 07:00	08/21/15 14:31	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/21/15 07:00	08/21/15 14:31	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	100-42-5	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

**Sample: GP-7, 5-1**      **Lab ID: 40119909004**      Collected: 08/20/15 09:30      Received: 08/20/15 13:13      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	79-34-5	W
Tetrachloroethene	1880	ug/kg	66.0	27.5	1	08/21/15 07:00	08/21/15 14:31	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/21/15 07:00	08/21/15 14:31	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/21/15 07:00	08/21/15 14:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%	49-157		1	08/21/15 07:00	08/21/15 14:31	1868-53-7	
Toluene-d8 (S)	105	%	61-148		1	08/21/15 07:00	08/21/15 14:31	2037-26-5	
4-Bromofluorobenzene (S)	90	%	53-134		1	08/21/15 07:00	08/21/15 14:31	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	9.2	%	0.10	0.10	1		08/20/15 15:50		

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

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QC Batch: MSV/29880 Analysis Method: EPA 8260  
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
 Associated Lab Samples: 40119909001, 40119909002, 40119909003, 40119909004

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METHOD BLANK: 1209471 Matrix: Solid  
 Associated Lab Samples: 40119909001, 40119909002, 40119909003, 40119909004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/21/15 09:53	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/21/15 09:53	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/21/15 09:53	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/21/15 09:53	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/21/15 09:53	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/21/15 09:53	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/21/15 09:53	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/21/15 09:53	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/21/15 09:53	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/21/15 09:53	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/21/15 09:53	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/21/15 09:53	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/21/15 09:53	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/21/15 09:53	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/21/15 09:53	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/21/15 09:53	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/21/15 09:53	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/21/15 09:53	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/21/15 09:53	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/21/15 09:53	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/21/15 09:53	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/21/15 09:53	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/21/15 09:53	
Benzene	ug/kg	<9.2	20.0	08/21/15 09:53	
Bromobenzene	ug/kg	<20.6	50.0	08/21/15 09:53	
Bromochloromethane	ug/kg	<21.4	50.0	08/21/15 09:53	
Bromodichloromethane	ug/kg	<9.8	50.0	08/21/15 09:53	
Bromoform	ug/kg	<19.8	50.0	08/21/15 09:53	
Bromomethane	ug/kg	<69.9	250	08/21/15 09:53	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/21/15 09:53	
Chlorobenzene	ug/kg	<14.8	50.0	08/21/15 09:53	
Chloroethane	ug/kg	<67.0	250	08/21/15 09:53	
Chloroform	ug/kg	<46.4	250	08/21/15 09:53	
Chloromethane	ug/kg	<20.4	50.0	08/21/15 09:53	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/21/15 09:53	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/21/15 09:53	
Dibromochloromethane	ug/kg	<17.9	50.0	08/21/15 09:53	
Dibromomethane	ug/kg	<19.3	50.0	08/21/15 09:53	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/21/15 09:53	
Diisopropyl ether	ug/kg	<17.7	50.0	08/21/15 09:53	
Ethylbenzene	ug/kg	<12.4	50.0	08/21/15 09:53	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

METHOD BLANK: 1209471

Matrix: Solid

Associated Lab Samples: 40119909001, 40119909002, 40119909003, 40119909004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/21/15 09:53	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/21/15 09:53	
m&p-Xylene	ug/kg	<34.4	100	08/21/15 09:53	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/21/15 09:53	
Methylene Chloride	ug/kg	<16.2	50.0	08/21/15 09:53	
n-Butylbenzene	ug/kg	<10.5	50.0	08/21/15 09:53	
n-Propylbenzene	ug/kg	<11.6	50.0	08/21/15 09:53	
Naphthalene	ug/kg	<40.0	250	08/21/15 09:53	
o-Xylene	ug/kg	<14.0	50.0	08/21/15 09:53	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/21/15 09:53	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/21/15 09:53	
Styrene	ug/kg	<9.0	50.0	08/21/15 09:53	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/21/15 09:53	
Tetrachloroethene	ug/kg	<12.9	50.0	08/21/15 09:53	
Toluene	ug/kg	<11.2	50.0	08/21/15 09:53	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/21/15 09:53	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/21/15 09:53	
Trichloroethene	ug/kg	<23.6	50.0	08/21/15 09:53	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/21/15 09:53	
Vinyl chloride	ug/kg	<21.1	50.0	08/21/15 09:53	
4-Bromofluorobenzene (S)	%	91	53-134	08/21/15 09:53	
Dibromofluoromethane (S)	%	105	49-157	08/21/15 09:53	
Toluene-d8 (S)	%	103	61-148	08/21/15 09:53	

LABORATORY CONTROL SAMPLE & LCSD: 1209472

1209473

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2280	2330	91	93	70-130	2	20	
1,1,1,2-Tetrachloroethane	ug/kg	2500	2410	2500	96	100	70-130	4	20	
1,1,2-Trichloroethane	ug/kg	2500	2600	2660	104	106	70-130	2	20	
1,1-Dichloroethane	ug/kg	2500	2810	2790	112	112	70-130	0	20	
1,1-Dichloroethene	ug/kg	2500	2660	2730	106	109	70-132	2	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2330	2490	93	100	70-130	7	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1740	1820	70	73	45-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2620	2690	105	108	70-130	3	20	
1,2-Dichlorobenzene	ug/kg	2500	2580	2550	103	102	70-130	1	20	
1,2-Dichloroethane	ug/kg	2500	2830	2790	113	112	70-134	1	20	
1,2-Dichloropropane	ug/kg	2500	2780	2720	111	109	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	2500	2510	2460	101	98	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	2500	2490	2460	100	99	70-130	1	20	
Benzene	ug/kg	2500	2760	2760	110	110	70-130	0	20	
Bromodichloromethane	ug/kg	2500	2340	2430	94	97	70-130	4	20	
Bromoform	ug/kg	2500	1890	2060	75	82	48-130	9	20	
Bromomethane	ug/kg	2500	2560	2690	102	108	70-169	5	20	

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Parameter	Units	LABORATORY CONTROL SAMPLE & LCSD: 1209472		1209473			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Carbon tetrachloride	ug/kg	2500	2230	2320	89	93	67-130	4	20	
Chlorobenzene	ug/kg	2500	2710	2740	109	110	70-130	1	20	
Chloroethane	ug/kg	2500	2690	2650	107	106	70-191	1	20	
Chloroform	ug/kg	2500	2590	2620	104	105	70-130	1	20	
Chloromethane	ug/kg	2500	2360	2310	94	92	52-132	2	20	
cis-1,2-Dichloroethene	ug/kg	2500	2550	2560	102	102	70-130	1	20	
cis-1,3-Dichloropropene	ug/kg	2500	2240	2280	90	91	70-130	2	20	
Dibromochloromethane	ug/kg	2500	2120	2290	85	92	65-130	8	20	
Dichlorodifluoromethane	ug/kg	2500	1790	1810	71	72	12-150	1	20	
Ethylbenzene	ug/kg	2500	2590	2590	104	104	70-130	0	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2640	2590	106	104	70-130	2	20	
m&p-Xylene	ug/kg	5000	5360	5430	107	109	70-130	1	20	
Methyl-tert-butyl ether	ug/kg	2500	2460	2720	98	109	70-130	10	20	
Methylene Chloride	ug/kg	2500	2910	2800	116	112	70-131	4	20	
o-Xylene	ug/kg	2500	2680	2690	107	108	70-130	0	20	
Styrene	ug/kg	2500	2570	2690	103	108	70-130	5	20	
Tetrachloroethene	ug/kg	2500	2490	2520	100	101	70-130	1	20	
Toluene	ug/kg	2500	2700	2710	108	109	70-130	0	20	
trans-1,2-Dichloroethene	ug/kg	2500	2640	2830	106	113	69-130	7	20	
trans-1,3-Dichloropropene	ug/kg	2500	2090	2210	84	88	65-130	6	20	
Trichloroethene	ug/kg	2500	2620	2550	105	102	70-130	3	20	
Trichlorofluoromethane	ug/kg	2500	2220	2100	89	84	50-150	5	20	
Vinyl chloride	ug/kg	2500	2340	2330	94	93	67-134	1	20	
4-Bromofluorobenzene (S)	%				94	96	53-134			
Dibromofluoromethane (S)	%				112	113	49-157			
Toluene-d8 (S)	%				107	107	61-148			

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## QUALIFIERS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### BATCH QUALIFIERS

Batch: MSV/29882

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40119909001	GP-4, 5-1	EPA 5035/5030B	MSV/29880	EPA 8260	MSV/29882
40119909002	GP-5, 5-1	EPA 5035/5030B	MSV/29880	EPA 8260	MSV/29882
40119909003	GP-6, 5-1	EPA 5035/5030B	MSV/29880	EPA 8260	MSV/29882
40119909004	GP-7, 5-1	EPA 5035/5030B	MSV/29880	EPA 8260	MSV/29882
40119909001	GP-4, 5-1	ASTM D2974-87	PMST/11664		
40119909002	GP-5, 5-1	ASTM D2974-87	PMST/11664		
40119909003	GP-6, 5-1	ASTM D2974-87	PMST/11664		
40119909004	GP-7, 5-1	ASTM D2974-87	PMST/11664		

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: mach iv engineering

Project #: WO#: 40119909
Barcode with number 40119909

Courier: Fed Ex UPS Client Pace Other:

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI Corr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 8/20/15
Initials: RL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like Chain of Custody Present, Samples Arrived within Hold Time, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Containers Intact, Sample Labels match COC, Headspace in VOA Vials, Trip Blank Present.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 8-20-15



August 28, 2015

Chad Fradette  
Mach IV Engineering & Surveying  
211 N. Broadway  
Suite 114  
Green Bay, WI 54303

RE: Project: 0969-01-15 LOCKWOOD  
Pace Project No.: 40120173

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40120173001	GP-8, S-1	Solid	08/26/15 19:45	08/27/15 08:00
40120173002	GP-9, S-1	Solid	08/26/15 19:35	08/27/15 08:00
40120173003	GP-10, S-1	Solid	08/26/15 19:25	08/27/15 08:00
40120173004	GP-11, S-1	Solid	08/26/15 19:15	08/27/15 08:00
40120173005	GP-12, S-1	Solid	08/26/15 19:05	08/27/15 08:00
40120173006	GP-13, S-1	Solid	08/26/15 18:55	08/27/15 08:00
40120173007	GP-14, S-1	Solid	08/26/15 18:45	08/27/15 08:00
40120173008	GP-15, S-1	Solid	08/26/15 18:35	08/27/15 08:00
40120173009	GP-16, S-1	Solid	08/26/15 18:25	08/27/15 08:00

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### SAMPLE ANALYTE COUNT

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40120173001	GP-8, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173002	GP-9, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173003	GP-10, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173004	GP-11, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173005	GP-12, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173006	GP-13, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173007	GP-14, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173008	GP-15, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173009	GP-16, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 0969-01-15 LOCKWOOD  
Pace Project No.: 40120173

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**Method:** EPA 8260  
**Description:** 8260 MSV Med Level Normal List  
**Client:** Mach IV Engineering  
**Date:** August 28, 2015

### General Information:

9 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: MSV/29945

B: Analyte was detected in the associated method blank.

- BLANK for HBN 202606 [MSV/2994 (Lab ID: 1212188)
- Methylene Chloride

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/29945

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-8, S-1 Lab ID: 40120173001 Collected: 08/26/15 19:45 Received: 08/27/15 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/27/15 23:10	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/27/15 23:10	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/27/15 23:10	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/27/15 23:10	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	99-87-6	W
Methylene Chloride	52.3J	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	1634-04-4	W
Naphthalene	189J	ug/kg	259	41.5	1	08/27/15 13:45	08/27/15 23:10	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	100-42-5	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample: GP-8, S-1**      **Lab ID: 40120173001**      Collected: 08/26/15 19:45      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	79-34-5	W
Tetrachloroethene	2260	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	127-18-4	
Toluene	82.5	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/27/15 23:10	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	96-18-4	W
1,2,4-Trimethylbenzene	75.9	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-01-4	W
m&p-Xylene	127	ug/kg	124	51.9	1	08/27/15 13:45	08/27/15 23:10	179601-23-1	
o-Xylene	94.1	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	115	%	49-157		1	08/27/15 13:45	08/27/15 23:10	1868-53-7	
Toluene-d8 (S)	123	%	61-148		1	08/27/15 13:45	08/27/15 23:10	2037-26-5	
4-Bromofluorobenzene (S)	109	%	53-134		1	08/27/15 13:45	08/27/15 23:10	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture      **3.6**      %      0.10      0.10      1      08/28/15 09:14

**Sample: GP-9, S-1**      **Lab ID: 40120173002**      Collected: 08/26/15 19:35      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/27/15 23:33	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/27/15 23:33	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/27/15 23:33	67-66-3	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample: GP-9, S-1**      **Lab ID: 40120173002**      Collected: 08/26/15 19:35      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/27/15 23:33	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	99-87-6	W
Methylene Chloride	35.1J	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	1634-04-4	W
Naphthalene	101J	ug/kg	277	44.4	1	08/27/15 13:45	08/27/15 23:33	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	79-34-5	W
Tetrachloroethene	85.5	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	127-18-4	
Toluene	60.1J	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/27/15 23:33	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	96-18-4	W
1,2,4-Trimethylbenzene	36.3J	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	108-67-8	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD  
Pace Project No.: 40120173

**Sample: GP-9, S-1**      **Lab ID: 40120173002**      Collected: 08/26/15 19:35      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-01-4	W
m&p-Xylene	89.0J	ug/kg	133	55.5	1	08/27/15 13:45	08/27/15 23:33	179601-23-1	
o-Xylene	53.8J	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	104	%	49-157		1	08/27/15 13:45	08/27/15 23:33	1868-53-7	
Toluene-d8 (S)	117	%	61-148		1	08/27/15 13:45	08/27/15 23:33	2037-26-5	
4-Bromofluorobenzene (S)	101	%	53-134		1	08/27/15 13:45	08/27/15 23:33	460-00-4	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	9.9	%	0.10	0.10	1		08/28/15 09:14		

**Sample: GP-10, S-1**      **Lab ID: 40120173003**      Collected: 08/26/15 19:25      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/27/15 23:57	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/27/15 23:57	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/27/15 23:57	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/27/15 23:57	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	107-06-2	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample: GP-10, S-1**      **Lab ID: 40120173003**      Collected: 08/26/15 19:25      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	99-87-6	W
Methylene Chloride	47.2J	ug/kg	62.7	26.1	1	08/27/15 13:45	08/27/15 23:57	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/27/15 23:57	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/27/15 23:57	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/27/15 23:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	114	%	49-157		1	08/27/15 13:45	08/27/15 23:57	1868-53-7	
Toluene-d8 (S)	117	%	61-148		1	08/27/15 13:45	08/27/15 23:57	2037-26-5	
4-Bromofluorobenzene (S)	104	%	53-134		1	08/27/15 13:45	08/27/15 23:57	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	4.2	%	0.10	0.10	1		08/28/15 09:14		
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### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-11, S-1 Lab ID: 40120173004 Collected: 08/26/15 19:15 Received: 08/27/15 08:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 00:20	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 00:20	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 00:20	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 00:20	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	99-87-6	W
Methylene Chloride	38.3J	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	1634-04-4	W
Naphthalene	60.0J	ug/kg	269	43.0	1	08/27/15 13:45	08/28/15 00:20	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	100-42-5	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample: GP-11, S-1**      **Lab ID: 40120173004**      Collected: 08/26/15 19:15      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	79-34-5	W
Tetrachloroethene	177	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	127-18-4	
Toluene	45.8J	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 00:20	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	96-18-4	W
1,2,4-Trimethylbenzene	27.0J	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 00:20	179601-23-1	W
o-Xylene	37.3J	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	112	%	49-157		1	08/27/15 13:45	08/28/15 00:20	1868-53-7	
Toluene-d8 (S)	116	%	61-148		1	08/27/15 13:45	08/28/15 00:20	2037-26-5	
4-Bromofluorobenzene (S)	100	%	53-134		1	08/27/15 13:45	08/28/15 00:20	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture      **6.9**      %      0.10      0.10      1      08/28/15 09:14

**Sample: GP-12, S-1**      **Lab ID: 40120173005**      Collected: 08/26/15 19:05      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 00:43	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 00:43	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 00:43	67-66-3	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample: GP-12, S-1**      **Lab ID: 40120173005**      Collected: 08/26/15 19:05      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 00:43	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	99-87-6	W
Methylene Chloride	36.9J	ug/kg	62.6	26.1	1	08/27/15 13:45	08/28/15 00:43	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/28/15 00:43	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	79-34-5	W
Tetrachloroethene	142	ug/kg	62.6	26.1	1	08/27/15 13:45	08/28/15 00:43	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 00:43	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-67-8	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample: GP-12, S-1**      **Lab ID: 40120173005**      Collected: 08/26/15 19:05      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 00:43	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	109	%	49-157		1	08/27/15 13:45	08/28/15 00:43	1868-53-7	
Toluene-d8 (S)	116	%	61-148		1	08/27/15 13:45	08/28/15 00:43	2037-26-5	
4-Bromofluorobenzene (S)	102	%	53-134		1	08/27/15 13:45	08/28/15 00:43	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	4.2	%	0.10	0.10	1		08/28/15 09:14		

**Sample: GP-13, S-1**      **Lab ID: 40120173006**      Collected: 08/26/15 18:55      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 01:06	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 01:06	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 01:06	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 01:06	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	107-06-2	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample:** GP-13, S-1      **Lab ID:** 40120173006      Collected: 08/26/15 18:55      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	99-87-6	W
Methylene Chloride	49.3J	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	1634-04-4	W
Naphthalene	66.0J	ug/kg	265	42.4	1	08/27/15 13:45	08/28/15 01:06	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	79-34-5	W
Tetrachloroethene	67.1	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	127-18-4	
Toluene	45.3J	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 01:06	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	96-18-4	W
1,2,4-Trimethylbenzene	36.6J	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-01-4	W
m&p-Xylene	61.4J	ug/kg	127	52.9	1	08/27/15 13:45	08/28/15 01:06	179601-23-1	
o-Xylene	47.4J	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	113	%	49-157		1	08/27/15 13:45	08/28/15 01:06	1868-53-7	
Toluene-d8 (S)	120	%	61-148		1	08/27/15 13:45	08/28/15 01:06	2037-26-5	
4-Bromofluorobenzene (S)	106	%	53-134		1	08/27/15 13:45	08/28/15 01:06	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	5.5	%	0.10	0.10	1		08/28/15 09:14		
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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample:** GP-14, S-1      **Lab ID:** 40120173007      Collected: 08/26/15 18:45      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 01:29	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 01:29	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 01:29	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 01:29	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	99-87-6	W
Methylene Chloride	60.7J	ug/kg	65.3	27.2	1	08/27/15 13:45	08/28/15 01:29	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/28/15 01:29	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	100-42-5	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample: GP-14, S-1**      **Lab ID: 40120173007**      Collected: 08/26/15 18:45      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 01:29	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 01:29	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	108	%	49-157		1	08/27/15 13:45	08/28/15 01:29	1868-53-7	
Toluene-d8 (S)	111	%	61-148		1	08/27/15 13:45	08/28/15 01:29	2037-26-5	
4-Bromofluorobenzene (S)	98	%	53-134		1	08/27/15 13:45	08/28/15 01:29	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	8.1	%	0.10	0.10	1		08/28/15 09:14		
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**Sample: GP-15, S-1**      **Lab ID: 40120173008**      Collected: 08/26/15 18:35      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 01:52	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 01:52	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 01:52	67-66-3	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD  
Pace Project No.: 40120173

**Sample: GP-15, S-1**      **Lab ID: 40120173008**      Collected: 08/26/15 18:35      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 01:52	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	99-87-6	W
Methylene Chloride	40.8J	ug/kg	63.4	26.4	1	08/27/15 13:45	08/28/15 01:52	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/28/15 01:52	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 01:52	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-67-8	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

**Sample: GP-15, S-1**      **Lab ID: 40120173008**      Collected: 08/26/15 18:35      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 01:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	114	%	49-157		1	08/27/15 13:45	08/28/15 01:52	1868-53-7	
Toluene-d8 (S)	112	%	61-148		1	08/27/15 13:45	08/28/15 01:52	2037-26-5	
4-Bromofluorobenzene (S)	101	%	53-134		1	08/27/15 13:45	08/28/15 01:52	460-00-4	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	5.3	%	0.10	0.10	1		08/28/15 09:14		

**Sample: GP-16, S-1**      **Lab ID: 40120173009**      Collected: 08/26/15 18:25      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 02:16	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 02:16	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 02:16	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 02:16	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	107-06-2	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD  
Pace Project No.: 40120173

**Sample: GP-16, S-1**      **Lab ID: 40120173009**      Collected: 08/26/15 18:25      Received: 08/27/15 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	99-87-6	W
Methylene Chloride	45.9J	ug/kg	65.0	27.1	1	08/27/15 13:45	08/28/15 02:16	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/28/15 02:16	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 02:16	120-82-1	W
1,1,1-Trichloroethane	231	ug/kg	65.0	27.1	1	08/27/15 13:45	08/28/15 02:16	71-55-6	
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 02:16	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	119	%	49-157		1	08/27/15 13:45	08/28/15 02:16	1868-53-7	
Toluene-d8 (S)	120	%	61-148		1	08/27/15 13:45	08/28/15 02:16	2037-26-5	
4-Bromofluorobenzene (S)	103	%	53-134		1	08/27/15 13:45	08/28/15 02:16	460-00-4	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	7.6	%	0.10	0.10	1		08/28/15 09:15		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

QC Batch: MSV/29945 Analysis Method: EPA 8260  
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
 Associated Lab Samples: 40120173001, 40120173002, 40120173003, 40120173004, 40120173005, 40120173006, 40120173007, 40120173008, 40120173009

METHOD BLANK: 1212188 Matrix: Solid  
 Associated Lab Samples: 40120173001, 40120173002, 40120173003, 40120173004, 40120173005, 40120173006, 40120173007, 40120173008, 40120173009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/27/15 19:42	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/27/15 19:42	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/27/15 19:42	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/27/15 19:42	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/27/15 19:42	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/27/15 19:42	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/27/15 19:42	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/27/15 19:42	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/27/15 19:42	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/27/15 19:42	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/27/15 19:42	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/27/15 19:42	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/27/15 19:42	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/27/15 19:42	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/27/15 19:42	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/27/15 19:42	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/27/15 19:42	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/27/15 19:42	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/27/15 19:42	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/27/15 19:42	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/27/15 19:42	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/27/15 19:42	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/27/15 19:42	
Benzene	ug/kg	<9.2	20.0	08/27/15 19:42	
Bromobenzene	ug/kg	<20.6	50.0	08/27/15 19:42	
Bromochloromethane	ug/kg	<21.4	50.0	08/27/15 19:42	
Bromodichloromethane	ug/kg	<9.8	50.0	08/27/15 19:42	
Bromoform	ug/kg	<19.8	50.0	08/27/15 19:42	
Bromomethane	ug/kg	<69.9	250	08/27/15 19:42	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/27/15 19:42	
Chlorobenzene	ug/kg	<14.8	50.0	08/27/15 19:42	
Chloroethane	ug/kg	<67.0	250	08/27/15 19:42	
Chloroform	ug/kg	<46.4	250	08/27/15 19:42	
Chloromethane	ug/kg	<20.4	50.0	08/27/15 19:42	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/27/15 19:42	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/27/15 19:42	
Dibromochloromethane	ug/kg	<17.9	50.0	08/27/15 19:42	
Dibromomethane	ug/kg	<19.3	50.0	08/27/15 19:42	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/27/15 19:42	
Diisopropyl ether	ug/kg	<17.7	50.0	08/27/15 19:42	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

METHOD BLANK: 1212188

Matrix: Solid

Associated Lab Samples: 40120173001, 40120173002, 40120173003, 40120173004, 40120173005, 40120173006, 40120173007, 40120173008, 40120173009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	08/27/15 19:42	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/27/15 19:42	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/27/15 19:42	
m&p-Xylene	ug/kg	<34.4	100	08/27/15 19:42	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/27/15 19:42	
Methylene Chloride	ug/kg	40.5J	50.0	08/27/15 19:42	
n-Butylbenzene	ug/kg	<10.5	50.0	08/27/15 19:42	
n-Propylbenzene	ug/kg	<11.6	50.0	08/27/15 19:42	
Naphthalene	ug/kg	<40.0	250	08/27/15 19:42	
o-Xylene	ug/kg	<14.0	50.0	08/27/15 19:42	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/27/15 19:42	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/27/15 19:42	
Styrene	ug/kg	<9.0	50.0	08/27/15 19:42	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/27/15 19:42	
Tetrachloroethene	ug/kg	<12.9	50.0	08/27/15 19:42	
Toluene	ug/kg	<11.2	50.0	08/27/15 19:42	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/27/15 19:42	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/27/15 19:42	
Trichloroethene	ug/kg	<23.6	50.0	08/27/15 19:42	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/27/15 19:42	
Vinyl chloride	ug/kg	<21.1	50.0	08/27/15 19:42	
4-Bromofluorobenzene (S)	%	92	53-134	08/27/15 19:42	
Dibromofluoromethane (S)	%	103	49-157	08/27/15 19:42	
Toluene-d8 (S)	%	106	61-148	08/27/15 19:42	

LABORATORY CONTROL SAMPLE & LCSD: 1212189

1212190

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2050	2180	82	87	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2590	2700	104	108	70-130	4	20	
1,1,2-Trichloroethane	ug/kg	2500	2620	2670	105	107	70-130	2	20	
1,1-Dichloroethane	ug/kg	2500	2630	2760	105	110	70-130	5	20	
1,1-Dichloroethene	ug/kg	2500	2270	2440	91	97	70-132	7	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2480	2630	99	105	70-130	6	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1800	1920	72	77	45-150	6	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2590	2640	104	106	70-130	2	20	
1,2-Dichlorobenzene	ug/kg	2500	2600	2790	104	111	70-130	7	20	
1,2-Dichloroethane	ug/kg	2500	2660	2740	107	110	70-134	3	20	
1,2-Dichloropropane	ug/kg	2500	2690	2690	108	107	70-130	0	20	
1,3-Dichlorobenzene	ug/kg	2500	2580	2630	103	105	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	2500	2520	2590	101	104	70-130	3	20	
Benzene	ug/kg	2500	2590	2700	104	108	70-130	4	20	
Bromodichloromethane	ug/kg	2500	2220	2310	89	92	70-130	4	20	

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Parameter	Units	LABORATORY CONTROL SAMPLE & LCSD: 1212189		1212190			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Bromoform	ug/kg	2500	1900	2070	76	83	48-130	8	20	
Bromomethane	ug/kg	2500	2150	2130	86	85	70-169	1	20	
Carbon tetrachloride	ug/kg	2500	1960	2110	79	84	67-130	7	20	
Chlorobenzene	ug/kg	2500	2640	2740	106	109	70-130	4	20	
Chloroethane	ug/kg	2500	2380	2340	95	94	70-191	2	20	
Chloroform	ug/kg	2500	2410	2490	96	100	70-130	3	20	
Chloromethane	ug/kg	2500	1790	1790	72	72	52-132	0	20	
cis-1,2-Dichloroethene	ug/kg	2500	2400	2580	96	103	70-130	7	20	
cis-1,3-Dichloropropene	ug/kg	2500	2110	2230	84	89	70-130	5	20	
Dibromochloromethane	ug/kg	2500	2080	2190	83	87	65-130	5	20	
Dichlorodifluoromethane	ug/kg	2500	902	950	36	38	12-150	5	20	
Ethylbenzene	ug/kg	2500	2500	2570	100	103	70-130	3	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2560	2590	103	104	70-130	1	20	
m&p-Xylene	ug/kg	5000	5310	5350	106	107	70-130	1	20	
Methyl-tert-butyl ether	ug/kg	2500	2550	2680	102	107	70-130	5	20	
Methylene Chloride	ug/kg	2500	2690	2740	108	109	70-131	2	20	
o-Xylene	ug/kg	2500	2650	2660	106	107	70-130	1	20	
Styrene	ug/kg	2500	2640	2660	106	107	70-130	1	20	
Tetrachloroethene	ug/kg	2500	2420	2530	97	101	70-130	4	20	
Toluene	ug/kg	2500	2650	2700	106	108	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	2500	2670	2740	107	110	69-130	2	20	
trans-1,3-Dichloropropene	ug/kg	2500	2010	2120	80	85	65-130	5	20	
Trichloroethene	ug/kg	2500	2490	2520	99	101	70-130	1	20	
Trichlorofluoromethane	ug/kg	2500	1780	1800	71	72	50-150	1	20	
Vinyl chloride	ug/kg	2500	1910	1930	76	77	67-134	1	20	
4-Bromofluorobenzene (S)	%				92	93	53-134			
Dibromofluoromethane (S)	%				101	104	49-157			
Toluene-d8 (S)	%				102	105	61-148			

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

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QC Batch:	PMST/11695	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40120173001, 40120173002, 40120173003, 40120173004, 40120173005, 40120173006, 40120173007, 40120173008, 40120173009		

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SAMPLE DUPLICATE: 1212520

Parameter	Units	40120229001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.9	20.3	2	10	

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## QUALIFIERS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### BATCH QUALIFIERS

Batch: MSV/29950

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40120173001	GP-8, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173002	GP-9, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173003	GP-10, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173004	GP-11, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173005	GP-12, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173006	GP-13, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173007	GP-14, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173008	GP-15, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173009	GP-16, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173001	GP-8, S-1	ASTM D2974-87	PMST/11695		
40120173002	GP-9, S-1	ASTM D2974-87	PMST/11695		
40120173003	GP-10, S-1	ASTM D2974-87	PMST/11695		
40120173004	GP-11, S-1	ASTM D2974-87	PMST/11695		
40120173005	GP-12, S-1	ASTM D2974-87	PMST/11695		
40120173006	GP-13, S-1	ASTM D2974-87	PMST/11695		
40120173007	GP-14, S-1	ASTM D2974-87	PMST/11695		
40120173008	GP-15, S-1	ASTM D2974-87	PMST/11695		
40120173009	GP-16, S-1	ASTM D2974-87	PMST/11695		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Mack W Eng  
 Branch/Location: Good Franchise  
 Project Contact: 920 615 0019  
 Phone: 920 615 0019  
 Project Number: 0909-01-15  
 Project Name: Lockwood  
 Project State: WI  
 Sampled By (Print): Charles Franks  
 Sampled By (Sign): [Signature]  
 PO #: [Blank]  
 Data Package Options:  EPA Level III  EPA Level IV  
 MSMSD:  On your sample (billable)  NOT needed on your sample  
 Matrix Codes: A=Air, B=Biota, C=Charcoal, O=Oil, S=Soil, SI=Sludge, W=Water, DW=Drinking Water, GW=Ground Water, SW=Surface Water, WW=Waste Water, WP=Wine



### CHAIN OF CUSTODY

RESERVATION CODES: A=NONE, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

EM

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	ANALYSES REQUESTED	V/I/N	PICK LABEL	FILTERED? (YES/NO)	PRESERVATION (CODE)	REQUIREMENTS BY	DATE/TIME	RECEIVED BY	DATE/TIME	REINQUISHED BY	DATE/TIME
001	GP-8, S-1	8/21/15	1945	S	VOCs					[Signature]	8/27/15	0600	[Signature]	8/27/15	0800
002	GP-9, S-1		1935												
003	GP-10, S-1		1925												
004	GP-11, S-1		1915												
005	GP-12, S-1		1905												
006	GP-13, S-1		1855												
007	GP-14, S-1		1845												
008	GP-15, S-1		1835												
009	GP-16, S-1		1825												

Quote #: 40120173

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

Mail To Contact: Mack W Eng  
 211 N Broadway  
 Ste 114  
 Green Bay WI  
 54303

Mail To Company: [Blank]

Mail To Address: [Blank]

Invoice To Contact: [Blank]

Invoice To Company: [Blank]

Invoice To Address: [Blank]

Invoice To Phone: [Blank]

CLIENT COMMENTS: [Blank]

LAB COMMENTS: 1402PA 140ml V

Profile #: [Blank]

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/charge)  
 Date Needed: 8/28/15  
 Transmit Prelim Rush Results by (complete what you want): if possible  
 Email #1: [Blank]  
 Email #2: [Blank]  
 Telephone: [Blank]  
 Fax: [Blank]  
 Samples on HOLD are subject to special pricing and release of liability

Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302



Client Name: Mach IV

Project # **WO# : 40120173**

Courier:  Fed Ex  UPS  Client  Pace Other: \_\_\_\_\_



Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used N/A Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr: \_\_\_\_\_ Biological Tissue is Frozen:  yes

Temp Blank Present:  yes  no  no

Person examining contents:  
Date: 8-27-15  
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>8/28/15 TAT</u> <u>8-27-15 JW</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>No collect time on all samples.</u> <u>8-27-15 JW</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4) ≤ 2; NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions (VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: _____)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_

Project Manager Review: [Signature] Date: 8-27-15

September 09, 2015

Chad Fradette  
Mach IV Engineering & Surveying  
211 N. Broadway  
Suite 114  
Green Bay, WI 54303

RE: Project: 0969-01-15 LOCKWOOD GALLERY  
Pace Project No.: 40120662

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on September 04, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

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### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

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## SAMPLE SUMMARY

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40120662001	GP-16, S-1	Solid	09/04/15 11:25	09/04/15 12:30
40120662002	GP-17, S-1	Solid	09/04/15 11:25	09/04/15 12:30
40120662003	GP-18, S-1	Solid	09/04/15 11:25	09/04/15 12:30
40120662004	GP-19, S-1	Solid	09/04/15 11:25	09/04/15 12:30

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### SAMPLE ANALYTE COUNT

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40120662001	GP-16, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120662002	GP-17, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120662003	GP-18, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120662004	GP-19, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 0969-01-15 LOCKWOOD GALLERY  
Pace Project No.: 40120662

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**Method:** EPA 8260  
**Description:** 8260 MSV Med Level Normal List  
**Client:** Mach IV Engineering  
**Date:** September 09, 2015

### General Information:

4 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/30065

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40120560028

R1: RPD value was outside control limits.

- MSD (Lab ID: 1217704)
- Toluene

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

**Sample: GP-16, S-1**      **Lab ID: 40120662001**      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/08/15 07:30	09/08/15 21:57	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/08/15 07:30	09/08/15 21:57	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/08/15 07:30	09/08/15 21:57	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/08/15 07:30	09/08/15 21:57	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/08/15 07:30	09/08/15 21:57	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	100-42-5	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

**Sample: GP-16, S-1**      **Lab ID: 40120662001**      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/08/15 07:30	09/08/15 21:57	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/08/15 07:30	09/08/15 21:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	49-157		1	09/08/15 07:30	09/08/15 21:57	1868-53-7	
Toluene-d8 (S)	100	%	61-148		1	09/08/15 07:30	09/08/15 21:57	2037-26-5	
4-Bromofluorobenzene (S)	93	%	53-134		1	09/08/15 07:30	09/08/15 21:57	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	12.5	%	0.10	0.10	1		09/08/15 10:14		
------------------	------	---	------	------	---	--	----------------	--	--

**Sample: GP-17, S-1**      **Lab ID: 40120662002**      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/08/15 07:30	09/08/15 22:20	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/08/15 07:30	09/08/15 22:20	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/08/15 07:30	09/08/15 22:20	67-66-3	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

**Sample: GP-17, S-1**      **Lab ID: 40120662002**      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/08/15 07:30	09/08/15 22:20	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/08/15 07:30	09/08/15 22:20	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/08/15 07:30	09/08/15 22:20	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-67-8	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

**Sample: GP-17, S-1**      **Lab ID: 40120662002**      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/08/15 07:30	09/08/15 22:20	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	120	%	49-157		1	09/08/15 07:30	09/08/15 22:20	1868-53-7	
Toluene-d8 (S)	109	%	61-148		1	09/08/15 07:30	09/08/15 22:20	2037-26-5	
4-Bromofluorobenzene (S)	99	%	53-134		1	09/08/15 07:30	09/08/15 22:20	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	4.0	%	0.10	0.10	1		09/08/15 10:49		

**Sample: GP-18, S-1**      **Lab ID: 40120662003**      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	217	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	71-43-2	
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/08/15 07:30	09/08/15 22:43	74-83-9	W
n-Butylbenzene	71.5	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	104-51-8	
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/08/15 07:30	09/08/15 22:43	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/08/15 07:30	09/08/15 22:43	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/08/15 07:30	09/08/15 22:43	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	107-06-2	W

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### ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

**Sample: GP-18, S-1**      **Lab ID: 40120662003**      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b> Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	108-20-3	W
Ethylbenzene	234	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	100-41-4	
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	87-68-3	W
Isopropylbenzene (Cumene)	63.2J	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	98-82-8	
p-Isopropyltoluene	36.7J	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	99-87-6	
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	1634-04-4	W
Naphthalene	1050	ug/kg	274	43.9	1	09/08/15 07:30	09/08/15 22:43	91-20-3	
n-Propylbenzene	97.0	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	103-65-1	
Styrene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	79-34-5	W
Tetrachloroethene	126	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	127-18-4	
Toluene	1500	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/08/15 07:30	09/08/15 22:43	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	96-18-4	W
1,2,4-Trimethylbenzene	551	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	95-63-6	
1,3,5-Trimethylbenzene	148	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	108-67-8	
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-01-4	W
m&p-Xylene	1510	ug/kg	131	54.8	1	09/08/15 07:30	09/08/15 22:43	179601-23-1	
o-Xylene	787	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	112	%	49-157		1	09/08/15 07:30	09/08/15 22:43	1868-53-7	
Toluene-d8 (S)	109	%	61-148		1	09/08/15 07:30	09/08/15 22:43	2037-26-5	
4-Bromofluorobenzene (S)	105	%	53-134		1	09/08/15 07:30	09/08/15 22:43	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	8.7	%	0.10	0.10	1		09/08/15 10:49		
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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

**Sample: GP-19, S-1**      **Lab ID: 40120662004**      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/08/15 07:30	09/09/15 10:28	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/08/15 07:30	09/09/15 10:28	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/08/15 07:30	09/09/15 10:28	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/08/15 07:30	09/09/15 10:28	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/08/15 07:30	09/09/15 10:28	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	100-42-5	W

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## ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

**Sample:** GP-19, S-1      **Lab ID:** 40120662004      Collected: 09/04/15 11:25      Received: 09/04/15 12:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/08/15 07:30	09/09/15 10:28	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/08/15 07:30	09/09/15 10:28	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	124	%	49-157		1	09/08/15 07:30	09/09/15 10:28	1868-53-7	
Toluene-d8 (S)	100	%	61-148		1	09/08/15 07:30	09/09/15 10:28	2037-26-5	
4-Bromofluorobenzene (S)	100	%	53-134		1	09/08/15 07:30	09/09/15 10:28	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	7.7	%	0.10	0.10	1		09/08/15 10:49		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

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QC Batch: MSV/30065 Analysis Method: EPA 8260  
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
 Associated Lab Samples: 40120662001, 40120662002, 40120662003, 40120662004

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METHOD BLANK: 1217701 Matrix: Solid  
 Associated Lab Samples: 40120662001, 40120662002, 40120662003, 40120662004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	09/08/15 10:21	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	09/08/15 10:21	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	09/08/15 10:21	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	09/08/15 10:21	
1,1-Dichloroethane	ug/kg	<17.6	50.0	09/08/15 10:21	
1,1-Dichloroethene	ug/kg	<17.6	50.0	09/08/15 10:21	
1,1-Dichloropropene	ug/kg	<14.0	50.0	09/08/15 10:21	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	09/08/15 10:21	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	09/08/15 10:21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	09/08/15 10:21	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	09/08/15 10:21	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	09/08/15 10:21	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	09/08/15 10:21	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	09/08/15 10:21	
1,2-Dichloroethane	ug/kg	<15.0	50.0	09/08/15 10:21	
1,2-Dichloropropane	ug/kg	<16.8	50.0	09/08/15 10:21	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	09/08/15 10:21	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	09/08/15 10:21	
1,3-Dichloropropane	ug/kg	<12.0	50.0	09/08/15 10:21	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	09/08/15 10:21	
2,2-Dichloropropane	ug/kg	<12.6	50.0	09/08/15 10:21	
2-Chlorotoluene	ug/kg	<15.8	50.0	09/08/15 10:21	
4-Chlorotoluene	ug/kg	<13.0	50.0	09/08/15 10:21	
Benzene	ug/kg	<9.2	20.0	09/08/15 10:21	
Bromobenzene	ug/kg	<20.6	50.0	09/08/15 10:21	
Bromochloromethane	ug/kg	<21.4	50.0	09/08/15 10:21	
Bromodichloromethane	ug/kg	<9.8	50.0	09/08/15 10:21	
Bromoform	ug/kg	<19.8	50.0	09/08/15 10:21	
Bromomethane	ug/kg	<69.9	250	09/08/15 10:21	
Carbon tetrachloride	ug/kg	<12.1	50.0	09/08/15 10:21	
Chlorobenzene	ug/kg	<14.8	50.0	09/08/15 10:21	
Chloroethane	ug/kg	<67.0	250	09/08/15 10:21	
Chloroform	ug/kg	<46.4	250	09/08/15 10:21	
Chloromethane	ug/kg	<20.4	50.0	09/08/15 10:21	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	09/08/15 10:21	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	09/08/15 10:21	
Dibromochloromethane	ug/kg	<17.9	50.0	09/08/15 10:21	
Dibromomethane	ug/kg	<19.3	50.0	09/08/15 10:21	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	09/08/15 10:21	
Diisopropyl ether	ug/kg	<17.7	50.0	09/08/15 10:21	
Ethylbenzene	ug/kg	<12.4	50.0	09/08/15 10:21	

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

METHOD BLANK: 1217701

Matrix: Solid

Associated Lab Samples: 40120662001, 40120662002, 40120662003, 40120662004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	09/08/15 10:21	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	09/08/15 10:21	
m&p-Xylene	ug/kg	<34.4	100	09/08/15 10:21	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	09/08/15 10:21	
Methylene Chloride	ug/kg	<16.2	50.0	09/08/15 10:21	
n-Butylbenzene	ug/kg	<10.5	50.0	09/08/15 10:21	
n-Propylbenzene	ug/kg	<11.6	50.0	09/08/15 10:21	
Naphthalene	ug/kg	<40.0	250	09/08/15 10:21	
o-Xylene	ug/kg	<14.0	50.0	09/08/15 10:21	
p-Isopropyltoluene	ug/kg	<12.0	50.0	09/08/15 10:21	
sec-Butylbenzene	ug/kg	<11.9	50.0	09/08/15 10:21	
Styrene	ug/kg	<9.0	50.0	09/08/15 10:21	
tert-Butylbenzene	ug/kg	<9.5	50.0	09/08/15 10:21	
Tetrachloroethene	ug/kg	<12.9	50.0	09/08/15 10:21	
Toluene	ug/kg	<11.2	50.0	09/08/15 10:21	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	09/08/15 10:21	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	09/08/15 10:21	
Trichloroethene	ug/kg	<23.6	50.0	09/08/15 10:21	
Trichlorofluoromethane	ug/kg	<24.7	50.0	09/08/15 10:21	
Vinyl chloride	ug/kg	<21.1	50.0	09/08/15 10:21	
4-Bromofluorobenzene (S)	%	95	53-134	09/08/15 10:21	
Dibromofluoromethane (S)	%	113	49-157	09/08/15 10:21	
Toluene-d8 (S)	%	99	61-148	09/08/15 10:21	

LABORATORY CONTROL SAMPLE: 1217702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2740	110	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2190	87	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2570	103	70-130	
1,1-Dichloroethane	ug/kg	2500	2510	100	70-130	
1,1-Dichloroethene	ug/kg	2500	2430	97	70-132	
1,2,4-Trichlorobenzene	ug/kg	2500	2210	88	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2250	90	45-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2500	100	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2270	91	70-130	
1,2-Dichloroethane	ug/kg	2500	2590	104	70-134	
1,2-Dichloropropane	ug/kg	2500	2470	99	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2200	88	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2250	90	70-130	
Benzene	ug/kg	2500	2620	105	70-130	
Bromodichloromethane	ug/kg	2500	2820	113	70-130	
Bromoform	ug/kg	2500	2260	90	48-130	
Bromomethane	ug/kg	2500	2530	101	70-169	

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

LABORATORY CONTROL SAMPLE: 1217702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2740	110	67-130	
Chlorobenzene	ug/kg	2500	2460	98	70-130	
Chloroethane	ug/kg	2500	2560	103	70-191	
Chloroform	ug/kg	2500	2590	104	70-130	
Chloromethane	ug/kg	2500	2110	84	52-132	
cis-1,2-Dichloroethene	ug/kg	2500	2530	101	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2650	106	70-130	
Dibromochloromethane	ug/kg	2500	2260	90	65-130	
Dichlorodifluoromethane	ug/kg	2500	1630	65	12-150	
Ethylbenzene	ug/kg	2500	2440	98	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	5070	101	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2410	97	70-130	
Methylene Chloride	ug/kg	2500	2590	103	70-131	
o-Xylene	ug/kg	2500	2520	101	70-130	
Styrene	ug/kg	2500	2600	104	70-130	
Tetrachloroethene	ug/kg	2500	2330	93	70-130	
Toluene	ug/kg	2500	2370	95	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2530	101	69-130	
trans-1,3-Dichloropropene	ug/kg	2500	2250	90	65-130	
Trichloroethene	ug/kg	2500	2710	108	70-130	
Trichlorofluoromethane	ug/kg	2500	2690	108	50-150	
Vinyl chloride	ug/kg	2500	2120	85	67-134	
4-Bromofluorobenzene (S)	%			103	53-134	
Dibromofluoromethane (S)	%			107	49-157	
Toluene-d8 (S)	%			99	61-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1217703 1217704

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40120560028	Spike Conc.	MSD Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	<25.0	2680	2680	2900	2940	109	110	63-130	1	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	2680	2680	2780	2630	104	98	57-136	6	20		
1,1,2-Trichloroethane	ug/kg	<25.0	2680	2680	2940	2770	110	104	70-130	6	20		
1,1-Dichloroethane	ug/kg	<25.0	2680	2680	2600	2670	97	100	62-131	3	23		
1,1-Dichloroethene	ug/kg	<25.0	2680	2680	2480	2500	93	93	42-137	1	20		
1,2,4-Trichlorobenzene	ug/kg	<47.6	2680	2680	2850	2920	105	108	59-137	2	21		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	2680	2680	2820	2950	106	110	33-150	4	25		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	2680	2680	2910	2890	109	108	70-130	1	20		
1,2-Dichlorobenzene	ug/kg	<25.0	2680	2680	2720	2790	102	104	70-130	3	20		
1,2-Dichloroethane	ug/kg	<25.0	2680	2680	2800	2770	104	103	68-134	1	20		
1,2-Dichloropropane	ug/kg	<25.0	2680	2680	2670	2720	100	102	70-130	2	20		
1,3-Dichlorobenzene	ug/kg	<25.0	2680	2680	2700	2770	101	104	70-130	3	20		
1,4-Dichlorobenzene	ug/kg	<25.0	2680	2680	2660	2830	99	106	69-130	6	20		

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Parameter	Units	40120560028		1217703		1217704		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/kg	43.6J	2680	2680	2890	2900	106	107	56-131	0	20		
Bromodichloromethane	ug/kg	<25.0	2680	2680	3100	3250	116	121	64-130	5	20		
Bromoform	ug/kg	<25.0	2680	2680	2710	2680	101	100	48-130	1	20		
Bromomethane	ug/kg	<69.9	2680	2680	2560	2670	96	100	18-169	4	23		
Carbon tetrachloride	ug/kg	<25.0	2680	2680	2940	3040	110	113	59-130	3	20		
Chlorobenzene	ug/kg	<25.0	2680	2680	2770	2790	104	104	70-130	1	20		
Chloroethane	ug/kg	<67.0	2680	2680	2550	2710	95	101	10-191	6	20		
Chloroform	ug/kg	<46.4	2680	2680	2780	2850	104	107	65-130	3	20		
Chloromethane	ug/kg	<25.0	2680	2680	2050	2180	76	82	36-132	7	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	2680	2680	2720	2820	102	105	59-136	3	24		
cis-1,3-Dichloropropene	ug/kg	<25.0	2680	2680	2940	3000	110	112	60-130	2	20		
Dibromochloromethane	ug/kg	<25.0	2680	2680	2710	2610	101	97	59-130	4	20		
Dichlorodifluoromethane	ug/kg	<25.0	2680	2680	1440	1450	54	54	10-150	1	27		
Ethylbenzene	ug/kg	56.5J	2680	2680	2840	2750	104	101	64-130	3	20		
Isopropylbenzene (Cumene)	ug/kg	45.5J	2680	2680	2940	2910	108	107	69-138	1	20		
m&p-Xylene	ug/kg	216	5350	5350	5910	5680	106	102	61-130	4	20		
Methyl-tert-butyl ether	ug/kg	<25.0	2680	2680	2790	2770	104	104	52-134	1	20		
Methylene Chloride	ug/kg	<25.0	2680	2680	2700	2850	101	106	61-131	5	20		
o-Xylene	ug/kg	228	2680	2680	3080	2930	107	101	63-130	5	20		
Styrene	ug/kg	<25.0	2680	2680	2830	2880	106	108	70-130	2	20		
Tetrachloroethene	ug/kg	<25.0	2680	2680	2770	2620	103	98	65-130	5	20		
Toluene	ug/kg	348	2680	2680	3440	2770	116	91	65-130	22	20	R1	
trans-1,2-Dichloroethene	ug/kg	<25.0	2680	2680	2560	2590	96	97	55-130	1	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	2680	2680	2540	2490	95	93	54-130	2	20		
Trichloroethene	ug/kg	<25.0	2680	2680	2860	2870	107	107	70-130	0	20		
Trichlorofluoromethane	ug/kg	<25.0	2680	2680	2620	2550	98	95	42-150	3	24		
Vinyl chloride	ug/kg	<25.0	2680	2680	2110	2150	79	80	35-134	2	20		
4-Bromofluorobenzene (S)	%						108	107	53-134				
Dibromofluoromethane (S)	%						118	121	49-157				
Toluene-d8 (S)	%						114	108	61-148				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

QC Batch: PMST/11738

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40120662001

SAMPLE DUPLICATE: 1217607

Parameter	Units	40120519009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	26.6	26.4	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40120662001	GP-16, S-1	EPA 5035/5030B	MSV/30065	EPA 8260	MSV/30066
40120662002	GP-17, S-1	EPA 5035/5030B	MSV/30065	EPA 8260	MSV/30066
40120662003	GP-18, S-1	EPA 5035/5030B	MSV/30065	EPA 8260	MSV/30066
40120662004	GP-19, S-1	EPA 5035/5030B	MSV/30065	EPA 8260	MSV/30066
40120662001	GP-16, S-1	ASTM D2974-87	PMST/11738		
40120662002	GP-17, S-1	ASTM D2974-87	PMST/11739		
40120662003	GP-18, S-1	ASTM D2974-87	PMST/11739		
40120662004	GP-19, S-1	ASTM D2974-87	PMST/11739		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Mack LU  
 Branch/Location: Green Bay  
 Project Contact: Chad Fradette  
 Phone: 920-615-0019  
 Project Number: 0969-G1-15  
 Project Name: Lockwood Gallery  
 Project State: WI  
 Sampled By (Print): Dami Felth  
 Sampled By (Sign): Dami Felth  
 PO #: \_\_\_\_\_  
 Regulatory Program: \_\_\_\_\_



### CHAIN OF CUSTODY

AINone B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?  
(YES/NO)  
PRESERVATION  
(CODE)

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	
					V/I/N	Pick Label
001	GP-16, S-1	9/15	1230	S		VOCs
002	GP-17, S-1					X
003	GP-18, S-1					X
004	GP-19, S-1					X

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

Quote #: \_\_\_\_\_  
 Mail To Contact: Chad Fradette  
 Mail To Company: Mack LU  
 Mail To Address: 211 N Broadway Ste 114 Green Bay WI  
 Invoice To Contact: \_\_\_\_\_  
 Invoice To Company: \_\_\_\_\_  
 Invoice To Address: \_\_\_\_\_  
 Invoice To Phone: \_\_\_\_\_  
 CLIENT COMMENTS: 1-402PA 1-400MIV  
 LAB COMMENTS (Lab Use Only): \_\_\_\_\_  
 Profile #: \_\_\_\_\_

Relinquished By: Dami Felth Date/Time: 9/15 1230  
 Received By: Dami Felth Date/Time: 9/15 1230

PACE Project No. 40120062  
 Receipt Temp = 20.7 °C  
 Sample Receipt pH OK / Adjusted  
 Cooler Custody Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40120662



Client Name: mach W

Courier: Fed Ex UPS Client Pace Other:

Tracking #:

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used na Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 201 Corr: Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 9-4-15
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items and checkboxes. Items include Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Containers Intact, Sample Labels match COC, Headspace in VOA Vials, Trip Blank Present, etc.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution: RUSH TAT 9-11-15 mm 9-4-15

Project Manager Review: [Signature] Date: 9-8-15